IN THE CLAIMS:

1-8. (cancelled)

9. (currently amended) A mobile device that provides multiple functionalities for a host computer through USB communication, comprising:

a plurality of logical devices that provide different functionalities and are all recognizable under one USB address by the host computer;

a USB that comprises multiple endpoints which collectively provide multiple data transfer functionalities and at least some of which are reconfigurable to provide different data communication capabilities for the logical devices;

a device selector that, in response to a service request from the host computer, dynamically connects one or more endpoints to a logical device adapted to provide the requested service; and

an endpoint ~~configurator~~ configuration unit that reconfigures, if necessary, some of the one or more endpoints to effect data communication between the host computer and the selected logical device.

10. (formally presented) A mobile device according to claim 9, wherein the logical devices comprise at least a device selected from a group consisting of a voice communication device, a packet communication device, a telephone directory exchange device, an unlimited digital communication device, a printer and a modem.

11. (formally presented) A mobile device according to claim 9, wherein the endpoints comprise an endpoint for control transfer through which at a setup stage, configurations of the logical devices are informed to the host computer by the mobile device.

12. (formally presented) A mobile device according to claim 9, wherein the service request from the host computer comprises an identification of a service desired by the host computer.

13. (formally presented) A mobile device according to claim 9, wherein the service request from the host computer comprises an identification of a logical device that provides the requested service.

14. (formally presented) A mobile device according to claim 13, further comprising a controller that determines, in response to the service request from the host computer, whether or not the requested logical device is available to serve the host computer.

15. (formally presented) A mobile device according to claim 9, wherein the endpoint configurator reconfigures the endpoints at a request from the host computer.

16. (formally presented) A mobile device according to claim 9, wherein the USB comprises a plurality of USB blocks each connected to the host computer through an assigned port and each connectable to any of the logical devices through an assigned logical device selector.

17. (formally presented) A mobile device according to claim 9, wherein one of the endpoint is adapted specifically for control transfer between the host computer and a controller of the mobile device.

18. (formally presented) A method for providing different functionalities to a host computer through a USB, comprising the steps of:

providing a mobile device with a plurality of logical devices that provide different functionalities and are all recognizable under one USB address by the host computer, wherein the mobile device is connected to the host computer;

notifying the host computer of configurations of the logical devices through a USB that comprises multiple endpoints which collectively provide multiple data transfer functionalities and at least some of which are reconfigurable to provide different data communication capabilities for the logical devices;

receiving a service request from the host computer through the USB;

dynamically connecting one or more endpoints to a logical device adapted to provide the request service; and

reconfiguring, if necessary, some of the one or more endpoints to effect data communication between the host computer and the selected logical device.

19. (formally presented) A method according to claim 18, wherein the logical devices comprise at least a device selected from a group consisting of a voice communication

device, a packet communication device, a telephone directory exchange device, an unlimited digital communication device, a printer and a modem.

20. (formally presented) A method according to claim 18, wherein the service request from the host computer comprises an identification of a service desired by the host computer.

21. (formally presented) A method according to claim 18, wherein the service request from the host computer comprises an identification of a logical device that provides the requested service.

22. (formally presented) A method according to claim 21, further comprising determining, in response to the service request from the host computer, whether or not the requested logical device is available to serve the host computer.

23. (formally presented) A method according to claim 18, wherein reconfiguring one or more endpoints comprises reconfiguring one or more endpoints at a request from the host computer.